THURSDAY

8:30	**KEYNOTE ADDRESS** **Mike Dunne, Inertia Enterprises Inc. From NIF ignition to commercial fusion energy**	
TH1	**Advancements and laser development for fusion I – Chair Leonida Gizzi**	
9:15	TH1.1	**Invited – Brendan Reagan, Colorado State University** The Advanced Technology Lasers for Applications and Science (ATLAS) Facility: A new high repetition rate petawatt laser facility at Colorado State University
9:45	TH1.2	**Franz Kärtner, Center for Free-Electron Laser Science, DESY** Cryogenic Yb:YLF lasers for next-generation fusion drivers: The IFuEL approach
	TH1.3	**Luke McHugh, Central Laser Facility** Development of a prototype laser driver for inertial fusion energy as part of the UPLiFT project
	TH1.4	**Gilles Chériaux, Focused Energy GmbH** Lighthouse: An Inertial Fusion Power Plant with Diode-Pumped, Solid-State Lasers and Direct-Drive, Central Hotspot Ignition
10:30	**COFFEE BREAK**	
TH2	**Advancements and laser development for fusion II – Chair Jake Bromage**	
11:00	TH2.1	**Invited – Issa Tamer, Lawrence Livermore National Laboratory** Progress on high power Tm:YLF laser development
11:30	TH2.2	**Martin Smrz, HiLASE Centre, Institute of Physics of the Czech Academy of Sciences** Adaptive optics design for high-energy kW-class multi-slab laser amplifiers
	TH2.3	**Loïc Meignien, Laboratoire pour l'Utilisation des Lasers Intenses** Reconfigurable laser coherence on LULI2000: Kilojoule coherent, dual-color, and 100 J broadband incoherent regimes for inertial fusion studies
	TH2.4	**Yannik Zobus, GSI Helmholtzzentrum für Schwerionenforschung** Toward digital twins for efficient fusion laser drivers: The LASE-FUSE Project
	TH2.5	**Catherine Le Blanc, Université Paris-Saclay, Institut d'Optique Graduate School, CNRS** LED-pumped Nd:phosphate Master Oscillator Power Amplifier
	TH2.6	**Erik Brambrink, European XFEL GmbH** HAFEN: an instrument for fusion research at European XFEL
12:45	**LUNCH**	
TH3	**Novel laser-based particle and radiation sources II – Chair M. Krishnamurthy**	
13:45	TH3.1	**Invited - Chang Hee Nam** Strong field physics pursued with PW femtosecond laser
14:15	TH3.2	**Wenpeng Wang, Shanghai Institute of Optics and Fine Mechanics** Experimental demonstration of directional and collimated electron acceleration with hollow LG lasers on SULF
	TH3.3	**Stefan Karsch, Ludwig-Maximilians-Universität München** Towards better electron beams: Hybrid acceleration and towards kHz operation at CALA
	TH3.4	**Johannes Hornung, GSI Helmholtzzentrum für Schwerionenforschung** High-charge electron acceleration in the self-modulated laser wakefield acceleration regime at PHELIX
	TH3.5	**Ivan Kargapolov, Weizmann Institute of Science** Optical control of betatron oscillations in laser wakefield acceleration
	TH3.6	**Benjamin M. Knight, Air Force Institute of Technology** Anisotropic neutron generation from a bulk target via kHz-rate extreme interactions
	TH3.7	**Chris Armstrong, Central Laser Facility** Lens-coupled scintillator imaging systems for energetic radiation sources
15:45	**COFFEE BREAK**	
TH4	**New enabling technologies metrology and diagnostics II – Chair Issa Tamer**	
16:15	TH4.1	**Invited – Thomas Püschel, Helmholtz-Zentrum Dresden-Rossendorf** High-intensity focus and wavefront measurements for plasma accelerator experiments at Draco PW, PENELOPE and J-KAREN-P
16:45 – 18:30	TH4.2	**Mariastefania De Vido, Central Laser Facility** Development of a 100 TW, 100 Hz laser for laser-driven radiation and particle sources
	TH4.3	**Paul Mason, DiPOLE Systems Limited** Design considerations for a compact 20 J multi-slab DPSSL amplifier operating at 100 Hz
	TH4.4	**Markus Loeser, Helmholtz-Zentrum Dresden-Rossendorf** Efficient Energy extraction at the fully diode pumped High-Power Laser System PENELOPE
	TH4.5	**Vincent Leroux, THALES LAS France** Joule class 100Hz ultra-short pulses TiSa laser
	TH4.6	**Roland S. Nagymihály, Extreme Light Infrastructure ALPS** Thin disk laser heads for Joule level 100 Hz Ti:Sa amplifiers
	TH4.7	**Jorge Rocca, Colorado State University** Advances in high power laser development at Colorado State University
	TH4.8	**Paul A. Williams. National Institute of Standards and Technology** Metrology support for extreme pulsed lasers
19:30	**Gala Dinner**	